

### **ABSTRACT**

A system and method for generating polysulfide includes at least one vessel for containing the pulping liquor, and at least one oxidation promoter element including an oxidation promoter adhered by a coating material to a substrate. The oxidation promoter element may be affixed within the vessel or, alternatively, movable between two or more vessels to facilitate polysulfide generation and/or recovery of the oxidation promoter in at least two vessels.

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